FIJALKOWSKI, Wlodzimierz Role of breathing in labor. Ginek. Pol. 33 no.1:25-30 '62. 1. Z II Kliniki Polosnictwa i Chorob Kobiecych AM w Lodzi Kierownik: prof. dr med. S. Krzysztoporski. (RESPIRATION) (LABOR)

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FIJALKOWSKI, Wlodzimierz; BUKOWCZYK, Adam

Mental conditions of the parturient. Comparative studies on women unprepared for labor by the psychoprophylactic method. Ginek. pol. 33 no.5:601-609 162.

1. Z II Kliniki Chorob Kobiscych i Poloznictwa AM w Lodzi Kierownik: prof. dr med. S. Krzysztoporski i z Kliniki Chorob Psychicznych AM w Lodzi Kierownik: prof. dr med. S. Cwynar. (NATURAL CHILDBIRTH)

FIJALKOWSKI, Wlodzimierz

Effect of the psychoprophylactic preparation in pregnancy on the course of the 1st stage of labor. Ginek. pol. 34 no.2: 215-224 163.

1. Z II Kliniki Poloznictwa i Chorob Kobiecych AM w Lodzi Kierownik: prof. dr med. S. Krzysztoporski. (NATURAL CHILDBIRTH)

FIJALKOWSKI, Wlodzimierz

Role of psychogenic factors in labor prolongation. Ginek. pol. 34 no.3:377-380 '63.

1. Z II Kliniki Poloznictwa i Chorob Kobiscych AM w Lodzi Kierownik: prof. dr med. S. Krzysztoporski. (LABOR COMPLICATIONS) (FEAR) (ENVIRONMENT) (EMOTIONS)

STEMPIEN, Ryszard, dr. med.; TKACW, Bogumil; FUNIKOWSEI, Mlodzimierz

Differential diagnosis of infectious hepatitis in pregnancy.
Ginek. Pol. 36 no.74755-762 Jl'65.

1. Z Kliniki Chorob Zakaznych Akademil Medycznej w Lodzi
(p.o. Kierownika: dr. med. R. Stemplen) i z II Kliniki
Poloznictwa i Chorob Koblecych Akademil Medycznej w Lodzi
(Kierownik: prof. dr. med. S. Krzysztoporski).

FIJAN, N.

How Vransko Lake was populated by fresh water fish. p. 54. MORSKO RIBARSTVO. (Udruzenje morskog ribarstva Jugošlavije) Rijeka. Vol. 8, no. 2, Feb. 1956.

SOURCE:

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STERSON CONTROL OF THE STREET, MAINTENANCE OF THE STREET, THE STRE

FIJAN, Nikola

Hemopoietic functions of kidneys in certain species of fresh-water fishes. Biol glas 14 no.3/4:167-216 161.

l. Zavod za anatomiju, histologiju i embriologiju; Zavod za biologiju i patologiju poela, svilaca i riba; Hematoloski laboratorij Klinike za unutrašnje bolesti Veterinarskog fakulteta u Zagrebu.

FIJAS, J.

The Monitor and the English Spectator. p. 71.

NUKIEONIKA. (Polska Akademia Nauk. Komitet do Spraw Pokojowego Wykorzystania Energii Jadrowej)
Warszawa. Vol. 3, no. 2, 1958
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959 Uncl.

FIJLKOWSKI, D.

"A plan for establishing a forest and steppe reserve in Labanie near Zamosc."
p. 14 (Chronmy Przyrode Ojczysta, Vol 14, no. 4, July/ Aug. 1958. Krakow, Poland.)

Monthly Index of East European Accessions (EEAI) LC. Vol. 8, No. 1, Jan. 59

"APPROVED FOR RELEASE: 06/13/2000 CIA

CIA-RDP86-00513R000413020003-8

POLAND/Optics - Optical Methods of Analysis.

K

Abs Jour

: Ref Zhur Fizika, No 4, 1960, 10013

Author

: Fijlkowski Jerzy

Inst

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Title

: Quartitative Spectrographic Analysis of Magnesium Alloys

Orig Pub

: Chem. analit, (Polska), 1959, 4, No 1-2, 455-461

Abstract

: A procedure is described for determining the alloying elements (aluminum, zinc, manganese) and of the impurities (copper, silicon, iron, nickel) in magnesium alloys. To excite the spectrum, a condensed spark was used. Standard photographic analysis methods were used. The error in the determination of the lines ranges from 4.4 to

8.94.

Card 1/1

- 171 -

FIK, C.: CISK, B.: WLIASZ, J.

Prospecting for petroleum and natural cas in the Carpathian Mountains. p.121

Prospecting for petroleum and natural cas in the Carpathian Mountains. p.121

Wladomonci Naftowe. (Stowarzyszenie Naukowo-Techniczne Inzynieron i

Wladomonci Naftowe. (Stowarzyszenie Naukowo-Techniczne Inzynieron i

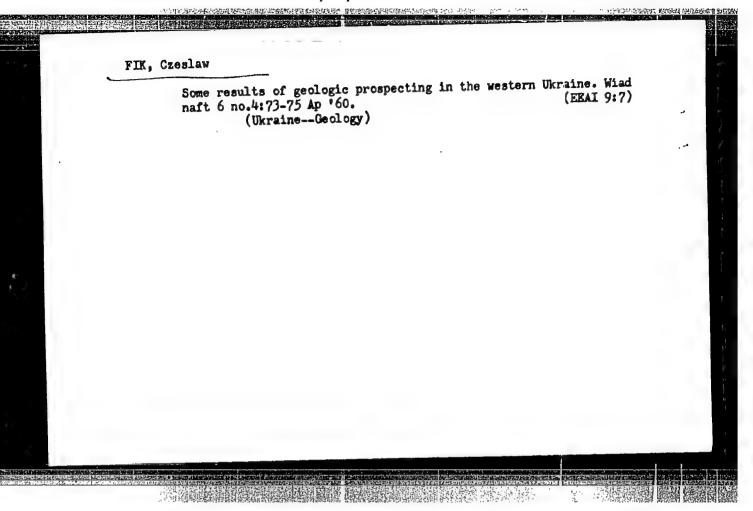
Technikow Przensysły Naftowego i Zwiazke Zawodowego Gornikow Nactowcen)

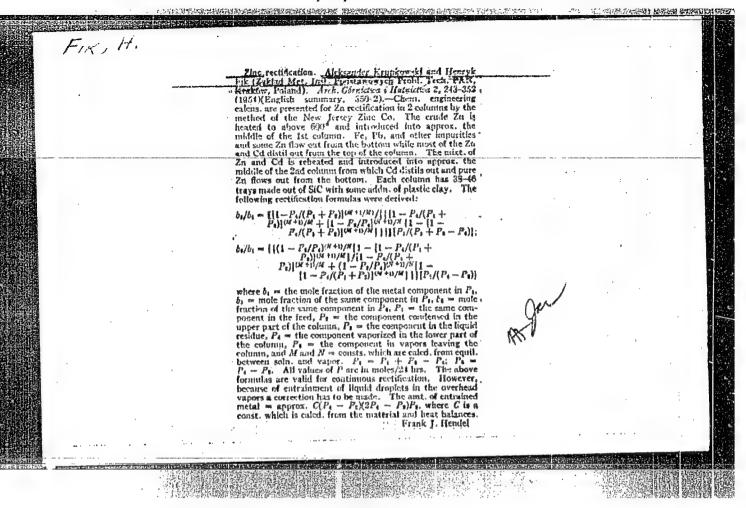
Krosno, Poland Vol. 5, no. 6, June 1959

Wlonthly list of East European Accessions (ETAI) LC, Vol./no. 2,

Feb. 1969

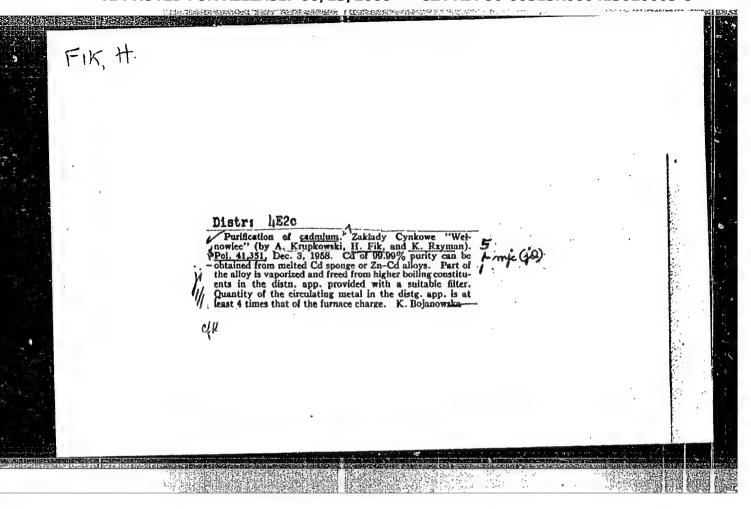
Uncl.





Engineer Hear & Fik, "Meanonic Analysis of the Mine Production Lethods And in Colond," Made i Not de Meanolagna (Mont proc. S. 1.1 and or s.), Asl. II, No. 3, Jul-Cep, and No. 4, Oct-Dec 57, Astodice, rages 1/-2. ad 199-100.

Jung/96-L-1199, 17 Nov 58.

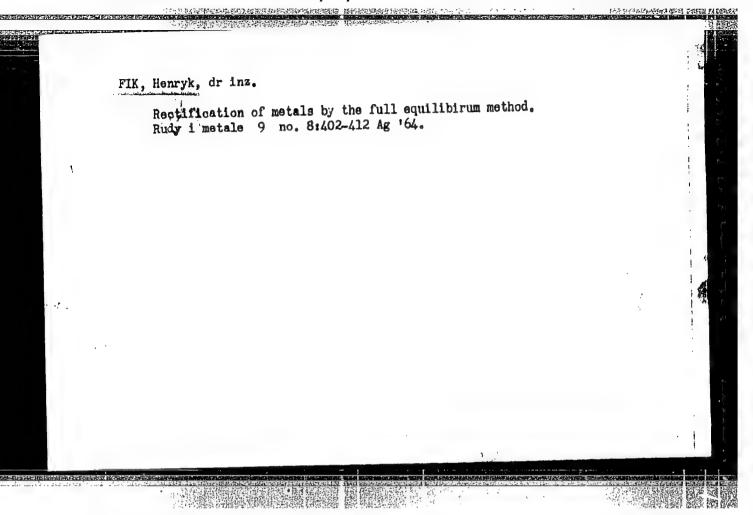


AKERMAN, Karol; BRAFMAN, Marek; FIK, Henryk; KITALA, Jan; NOWAK, Maciej; POCZYNAJIO, Andrzej

> Isotopic studies on the separation course of impurities during the zinc redistillation process. Archiw hutn 8 no. 2: 103-118 163.

- Instytut Badan Jadrowych Polskiej Akademii Nauk, Zaklad XVI, Warszawa (for Akerman, Brafman, Nowak).
- Biuro Projektow, Zjednoczenie Gorniczo-Hutnicze Metali Biezelaznych, Gliwice, (for Fik)
- 3. Zaklady Cynkowe Silesia, Huta Welnowiec (for Kitala).

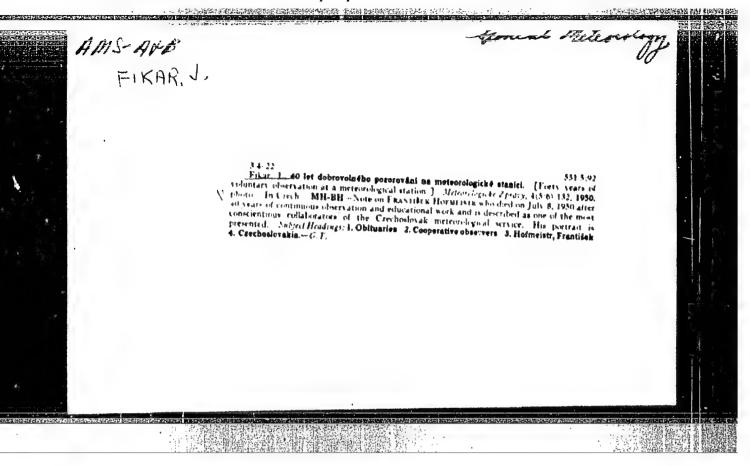
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TELESZYNSKI, Zdzislaw, dr. med. ; FIK, Marian

A case of dislocation of the elbow with simultaneous epiphysiololysis of the ulna. Chir. narzad. ruchu ortop. Pol. 30 no.2: 143-146 '65.

1. Z Oddzialu Urazowego Woj. Stacji Pogotowia Ratunkosego w Rzeszowie (Ordynator: dr. med. Z. Teleszynski).



FIKAR, S.; BINOVEC, J.; ZEZULKOVA,

Determination of the preserving effect of tetramethylthiuram disulfide in cosmetics. r. 26

PRUMYSL FOTRAVIN. (Ministerstvo rotratinarskyho rrumyslu) Praha, Czechoslovakia Vol. 10, no. 1, Jan. 1959

Monthly List of East European Accessions (EFAI), LV, Vol. 8, no. 7, July 1959 Uncl.

FIKAR, Z.: FAIMAN, Z.

"Polyecran. -ab. Application of logical members in automatic control."

Automatisace. Praha, Czechoslovakia. Vol. 2, no. 3, Mar. 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413020003-8"

L 34547-66.

ACC NR: AP6024710

SOURCE CODE: CZ/0042/65/000/010/0604/0619

AUTHOR: Pokorny, Jiri-Pokornyy, Yu. (Engineer; Candidate of sciences); Fikart. Josef-Fikart, I.; Javorsky, Stanislav-Favorsky, S.

ORG: Institute of Radio Engineering and Electronics, CSAV, Prague (Ustav radiotechniky a elektroniky CSAV)

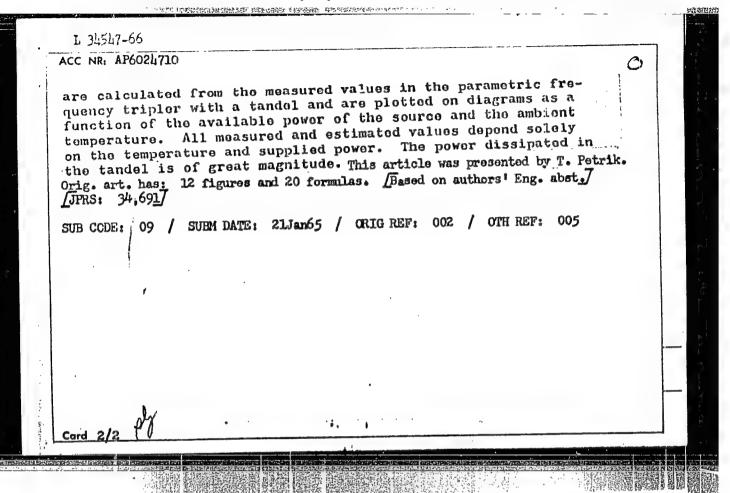
TITLE: Heasurement of the properties of a tandel in a parametric frequency multiplier

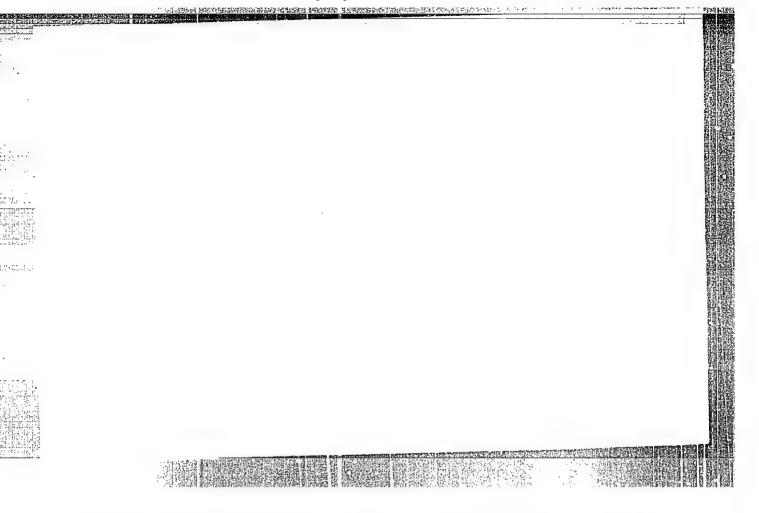
SOURCE: Elektrotechnicky casopis, no. 10, 1965, 604-619

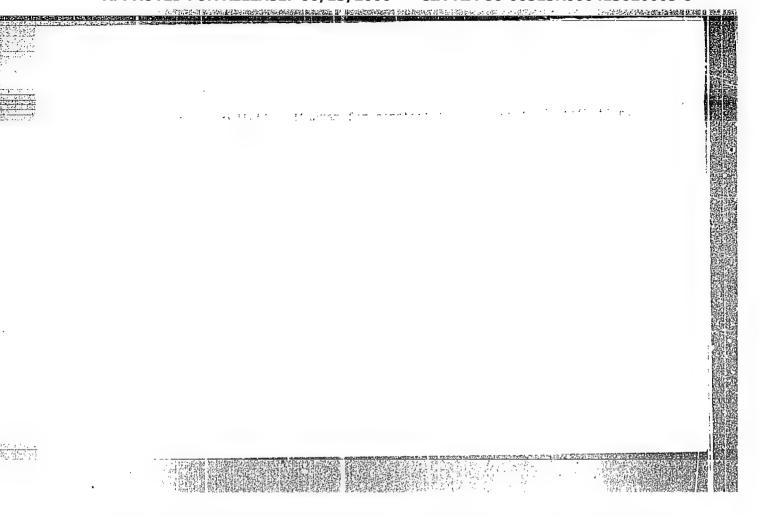
TOPIC TAGS: electronic equipment, frequency multiplication, electronic circuit, electric capacitor, resistor, electric capacitance, electric conductance

ABSTRACT: The paper presents the derivation of a method for determination of the properties of tandels (temperature autostabilized nonlinear dielectric element) in a parametric frequency multiplier, and experimental results are given. The tandel properties are expressed by means of an equivalent circuit formed by a parallel combination of a nonlinear lossless capacitor and a nonlinear resistor. The dependence of the capacitance and the conductance of the equivalent circuit on the voltage is expressed by the first terms of a power series. The expansion coefficients of the nonlinear capacitance and conductance into the power series

Card 1/2







ROZLIK, Miroslav, dr.; KADLEC, Josef, inz.; FIK.RT, Miloslav Problem of gain and radiation in anyenna systems. Slaboproudy obzor 25 no.10:589-600 0 '64.

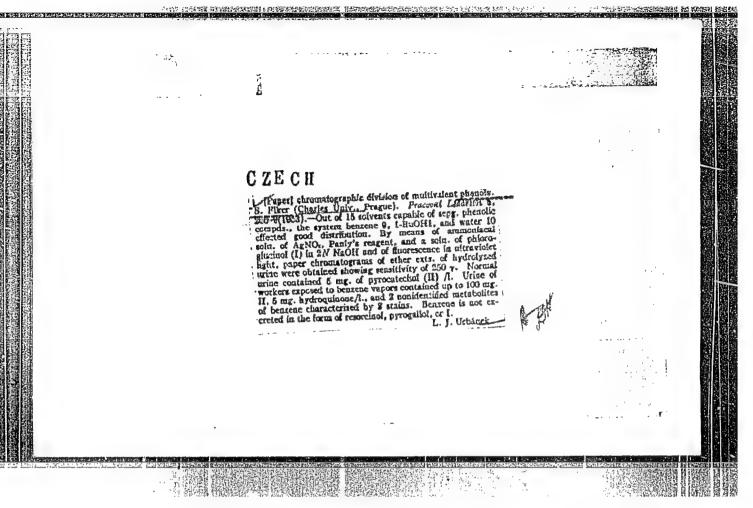
1. Tesla Hloubetin National Enterprise, Prague.

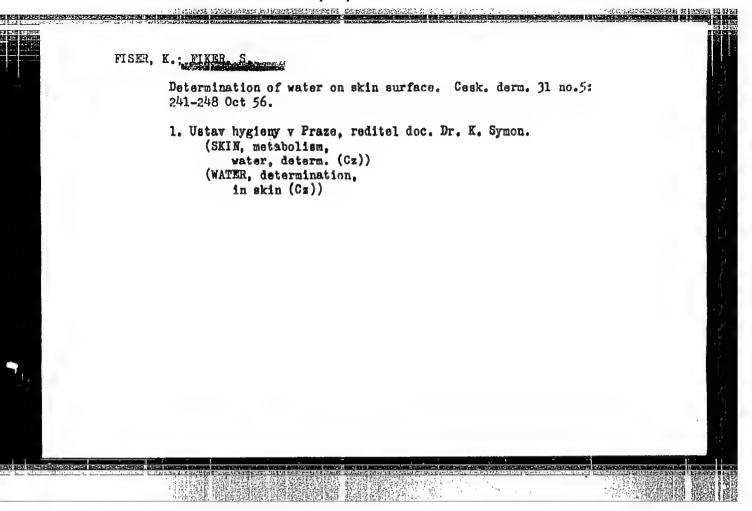
PROKS, Ctirad; FIKEJZ, Josef

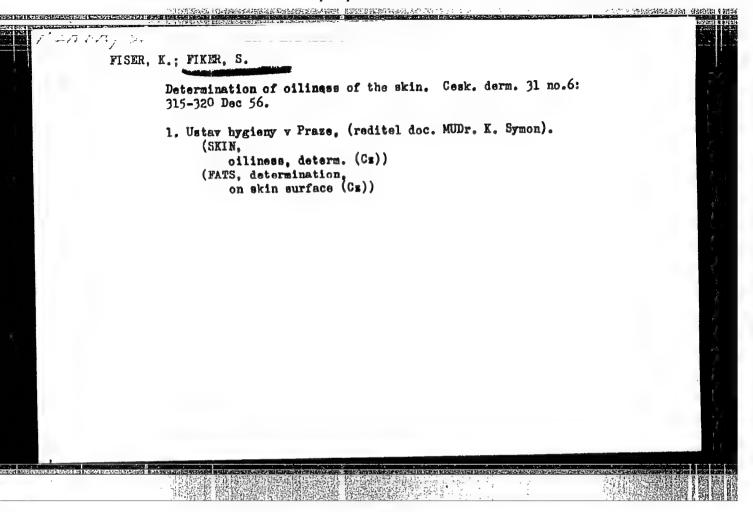
Scleroma neonatorum. Cesk. pediat. 16 no.11:984-989 N '61.

1. Patologickanatomicke oddeleni, prim. MUDr. C.Proks, a detsko oddeleni, prim. MUDr. J.Fikejz, OUNZ, v Pisku.

(SCLEREMA NEONATORUM)







FISER, K.; BINOVEC, J.; FIKER, S.; ZAHRADNIK, M.

Dermal cleansing agents for workers in industry. J. Hyg. Epidem., Praha 1 no.2:172-178 1957.

1. Institute of Hygiene, Dermatological Clinic of the Medical Faculty of Hygiene and the Experimental Division of the Prague Cosmetic Factories, Prague.

(DETERGENTS, dermal cleansing agents for workers in indust.)

(INDUSTRIAL HYGIENE same)

FIKEP, S.

CZECHOSLOVAKIA / Chemical Technology. - Safety First Technique. H-6
Sanitation Technique. Chemical Products and Their
Application. Part 1:

Abs Jour : Referat. Zhurnal Khimiya, No 4, 1958, 11811.

Author : K. Fiser, J. Binovec, S. Fiker, M. Zahradnik.

Inst : Not given

Title : Detergents for Industrial Workers.

Orig Pub : Pracovni lekar., 1957, 9, No 3, 211 - 213.

Abstract: New detergents (D) containing vaseline oil, glycerin, diethylphthalate, colloid kaolin, condensation products of ethyleneoxide or alcohol, water etc. were studied during production and in a laboratory. The D-s were tried how they wash off lubricating oils, dyes, tar, carbon black for rubbers etc. It was found that the D-s possess a good washing

Card 1/2

CZECHOSLOVAKIA / Chemical Technology. - Safety First Technique. H-6
Sanitation Technique. Chemical Products and
Their Application. Part 1.

Abs Jour : Referat. Zhurnal Khimiya, No E, 1958, 11811.

Abstract: capacity and irritate the skin less the water with soap.

The state of the skin of the workers improved already after
3 months of regular D use.

Card 2/2

E-36.8. : Czechoslovakia : Analytical Chemistry. Analysis of Organic Country Gatogory= 19181 Substances. Abs. Jour. : Ref. Zhur.-Khimiya No. 6, 1959 : Fiker, S.; Hajek, V. : Paper Chromatography of Higher Saturated Fatty huthor Institut. Title Acids. Orig. Pub. : Chem. listy, 1958, 52, No 3, 549-551 : A modification of the chromatographic method of Spiteri (RZhKhimbkh, 1955, 6537) has made it possible to secure reproducible values of Rr of saturated fatty acids secure reproducible values of R_f of saturated fatty acids from C₁₂ to C_{3k}; values of Rf depend on quality of paraffin oil used to treat the paper. Whatman paper No 3 is treated with a solution of 5 g paraffin (MP 42-46°) and 5 g paraffin with a solution of 5 g paraffin (MP 42-46°) and 5 g paraffin oil (Sp. Gr. 0.900) in 100 ml CHCl₃- C₆H₆ mixture (4:1), and oil (Sp. Gr. 0.900) in 100 ml CHCl₃- C₆H₆ mixture (4:1), and the chromatogram is developed by the ascending method, at the chromatogram is developed with paraffin and with 55°, with glacial CH₃COOH saturated with paraffin and with paraffin oil at the same temperature; in this manner are separated the acids from C₁₂ to C_{2k}. On development at 85° card: 1/3 THE PARTY OF THE P

E-3 : Czechoslovakia Country Gategory 19181 Abs. Jour. : Author Institut. Title Orig Pub. : : with CH3COOH saturated with the same substances Abstract at 85°, separation is effected of the acids from C24 to C34. at 85°, separation is effected of the acids from C_{2k} to C_{3k}. It is recommended to utilize two-dimensional chromatography and to develop in one direction at 85°, and then in the perpendicular direction at 55°. The mixture of acids can be first extracted with alcohol, thereby separating acids of less than C₂₀, and then carry out chromatography by the two-dimensional procedure, of the alcohol-insoluble mixture of higher acids. Individual acids are detected on the dried chromatograms by the action, for 45 minutes, of a 5% AgNO3 solution at a temperature of 80°, followed by washing with water. After drving of the processed chromatogram at 150° water. After drying of the processed chromatogram at 150° Card: 2/3

Category=	Czechoslovakia	E-3
Abs, Jour.	•	19181
Author	:	1
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Abstract	: brown spots appear at the	places corresponding
to the dist	: brown spots appear at the ribution of the acids (RZhKh	im, 1956, 58490).
J. Vanec	ek.	
Card: 3/3		

FIKERLE, J.

Mats made of insulating materials. p. 139

Ceskoslovenska vedecka technika spolecnost pro zdavotni techniku a vzduchotechniku, Praha, Czechoslovakia, Vol. 4, 1959.

Monthly List of East European Accessions, (EEAI) LC, Vol. 8, No. 7, July 1959. Uncl.

FIKERLE, J.

"Effect of radial clearance and prestressing on durability and loading capacity of antifriction bearings." p. 191.

STROJIRENSTVI. (Ministerstvo tezkeho strojirenstvi, Ministerstvo presneho strojirenstvi a Ministerstvo automobiloveho prumyslu a zemedelskych stroju). Praha, Czechoslovakia, Vol. 9, No. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959. Uncla.

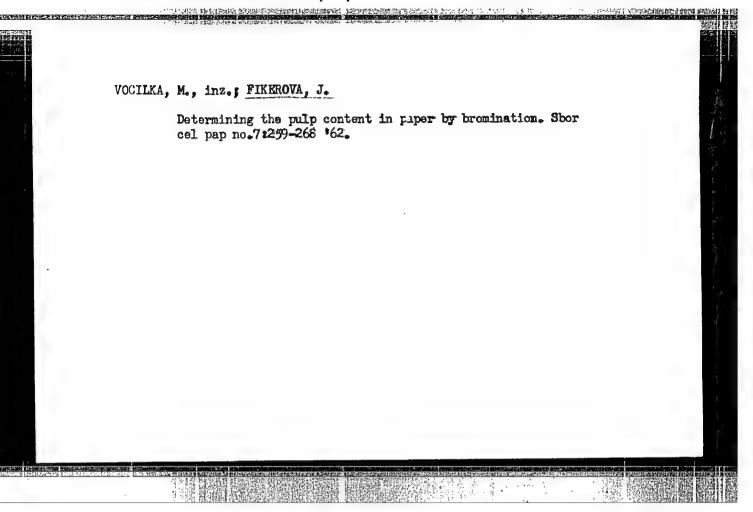
FIKERLE, J.

Moments of inertia in machines. p. 663.

STROJIRENSTVI. (Ministerstvo tezkeho strojirenstvi, Ministerstvo presneho strojirenstvi a Ministerstvo automobiloveho prumyslu a zemedelskych stroju) Praha, Czechoslovakia, Vol. 9, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, no. 1, J_{an} , 1960

Uncl.



FIK-J, L.

New photoelectric multipliers with secondary emission.

P. 478. (STROJNOELEKTROTECHNICKY CASOPIS.) (Bratislava, Czechoslovakia) Vol. 8, No. 1, 1957

SG: Monthly Index of East European Accession (FFAI) LC. Vol. 7, No. 5, 1958

H-13

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their

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Application. Ceranics. Glass. Binding Materials.

Concrete.

Abs Jour: Ref Zhur-Khim., No 2, 1959, 5517.

Fikes, Ladislav. Author :

Inst Title Simple Hermetic Packing of Glass for Electric Wiring.

Orig Pub: Strojnoelektrotechn. casop. 9, No 3, 139-143.

Abstract: The description of glass packing of electric wiring

in a vacuum-drying appliance for drying frozen biological tissues is presented. In the preparation of this packing, the inside surface of the steel flange is enamelled, on which occasion fine-grained pulverized glass, particle size 5 11 , is used for the preparation

of the enamel. After that the flange is placed on a gra-

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65

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Application. Ceraules. Glass. Binding Materials.

11-1.3

Concrete.

Abs Jour: Ref Zhur-Khim., No 2, 1959, 5517.

phite base, in which the electrodes are fixed, and the space between the flange and the electrodes is filled with glass powder, grain size 0.3 mm. After the inside space has been filled with glass, the flange is put into a muffle furnace at 650° for 6 hours, after which it is gradually ecoled and taken out from the furnace. The packing prepared in this way is a fused joint of metal and glass, characterized by a sufficiently high strength. The netal, the coefficient of thermal expansion of which is greater than that of glass, compresses the latter, but glass withstands great compressive stresses. Packing prepared

2/3 Card

FIKES, L.

A few remarks on vacuum valves providing controlled leaks. p. 129. (Strojnoelektrotechnicky Casopis, Vol. 8, No. 2, 1957, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

FIKES, L.

TECHNOLOGY

Periodical: SDELOVACI TECHNIKA. Vol. 6, no. 8, Aug. 1958.

FIKES. L. Connecting electric leads to germanium and silicon. p. 307.

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.

FIKES, L.; MARTON, K.

Design, calculation, and construction of a special direct-heating diode. p. 297.

ELEKTROTECHNICKY CASOPIS. (Slovenska akademia vied) Bratislava, Czechoslovakia. Vol. 10, no. 5, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960. Uncl.

FIKES, L.

Notes on the hygienic aspects of working with mercury. p. 306.

ELEKTROTECHNICKY CASOPIS. (Slovenska akademia vied.) Bratislava, Czechoslovakia. Vol. 10, no. 5, 1959.

Monthly list of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan. 1960. Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413020003-8"

S/058/62/000/011/038/061 A160/A101

AUTHORS:

Borcsányi, Vojtech, Fikes, Ladislav

TITLE:

A method of introducing small and accurately-proportioned quantities

of mercury in a vacuum device

PERIODICAL:

Referativnyy zhurnal, Fizika, no. 11, 1962, 28, abstract 11-3-55n P

(Czechosl. pat., cl. 21f, 82/02; 21g, 12/01, no. 99735, May 15.

1961)

TEXT: According to the proposed method, the mercury is introduced in the vacuum device not in its pure form but in the form of alloy with metal. This permits to decrease the partial pressure of the mercury vapors down to the level which is harmless from a physiological point of view (~ 10⁻⁵ mm mercury column). Lead, indium and other metals possessing a low vapor pressure at 800°C may be used for alloying. One of the potential alloys consists of 30 weight % of mercury and 70 weight % of lead; another alloy - of 37 weight % of mercury and 63 weight % of indium. The decomposition of the alloy takes place during the heating.

[Abstracter's note: Complete translation]

Card 1/1

FIKH, B.M., kend.istor.nauk; ARZHAYEVA, L.V.; BARSEGYAN, M.V., kend.

1stor.nauk; GOLUB, I.P.; GRIGOR'YEVA, Z.G., kend.istor.nauk;

MARASH, Ya.N., kend.istor.nauk; MARKOVSKIY, D.S., kend.

istor.nauk; PESTRAK, F.S.; GOLUBTSOVA, P., red.; SLAVYANIN, I.,

tekhn.red.

[Grodno; historical study] Grodno; istoricheskii ocherk. Minsk, Gos.izd-vo BSSR, Red.sotsial no-ekon.lit-ry, 1960. 150 p. (MIRA 14:3)

(Grodno--History) (Grodno--Economic conditions)

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fikho/firifa, B. C.

333hh. Tsitrusovyye Kul'tury V Moldavii. Vinodeliye I Vinogradarstvo Moldavii, 1949, No. 5, C. h5-h6.

SO: Letopis' Zhurnal'nykh Statey Vol. 45, Moskva, 1949

FIKHMAN, A. I.

Light Locating Rangefinders

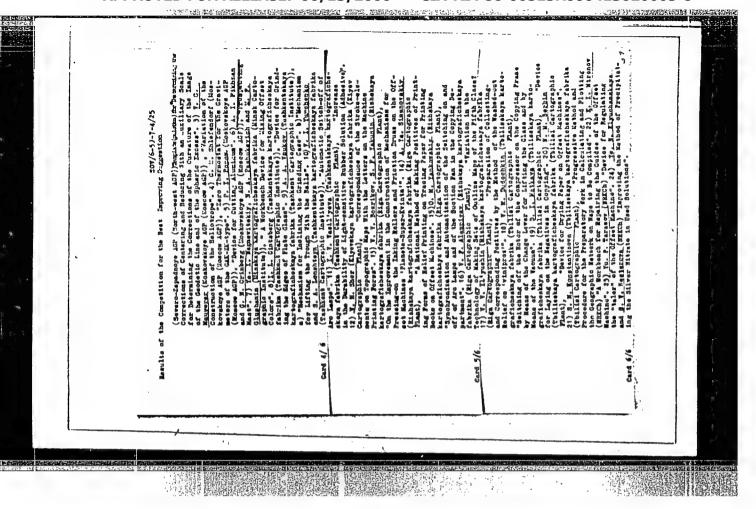
Tr. Mosk. in-ta insh. geod. aerofotos'vemki i kartogr., No 19, 1954, pp 59-68

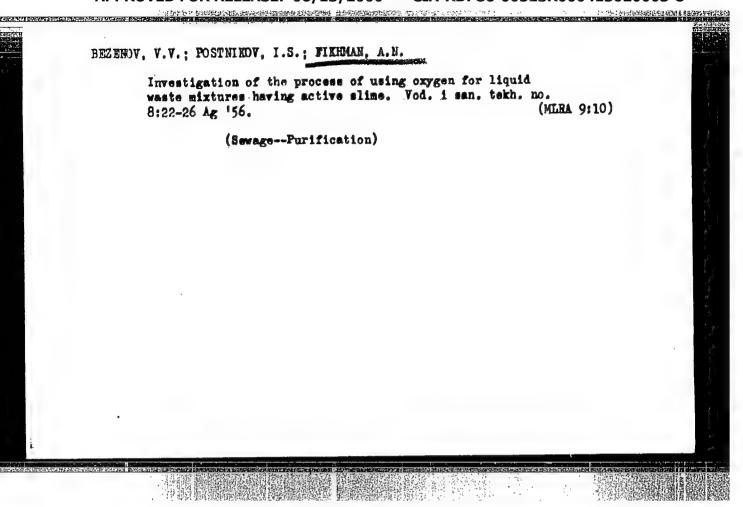
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Operation and schematic construction of two types of electro-optical rangefinders are described. The first type emits pulses of light, which come back after having been reflected at the other end, allowing distance determination within \not 3 m error. The phase range-finder emits light sinusoidally modulated which after reflection strikes a photomultiplier. The phase shift indicates the distance. (RZhAstr, No 5, 1955)

SO: Sum. No. 639, 2 Sep 55

	172), 3(4) ATTHOR: Sokolowa, O. I. 21712: Realis of the Compatition for the Reo'Ingroring Suggestion (Rog1 knetures na luchaleys raisionalisator predicabentye) PRENUDELE: Goodsiys 1 kartografiys, 1959, Nr 7, pp 17-21 (USSE)	In kay 1959, the ordinary lag suggestion in the fic- lantys gredent is thring as lantys gredent is thring as of codesy and Carlography and has USEN, 7 asregueder and MINTA took park. A too is earlographie, suggestio of 1,000 rubble sas sast's (Hinday karlographie, suggestion Flant) for the Braidsaktyr v. W. Warre, and T. P. Streen of 750 rub hass (Hiptorary V. W. Warre, and T. P. Streen of 750 rub hass (Hiptorary Granty Streen hass (Hiptorary Granty Hiptorary)	Triming of the Manufacture of Combined Dispositives (EMECH). 30 4. Legal (Statement of Combined Dispositives) (EMECH). 30 4. Legal (Statement of Combined Dispositives) "Section of Tort in Principle and Locurray of Chasecon ADP)" "Section of Combined Day Attended to the Company of Compa	Gang 3/a (1902-1901) filing Rachine Cor The Decime of True graphs East-operations size in Procusses, (7 dashen) East-operations size in the Corting of True graphs East-operations of the Act obtains of True With Pape Rails. (1 d. 1	the following suggestions was approved by the jury: 1) in the following suggestions and the following and the following suggestions and the following following the following following the following following following the following foll
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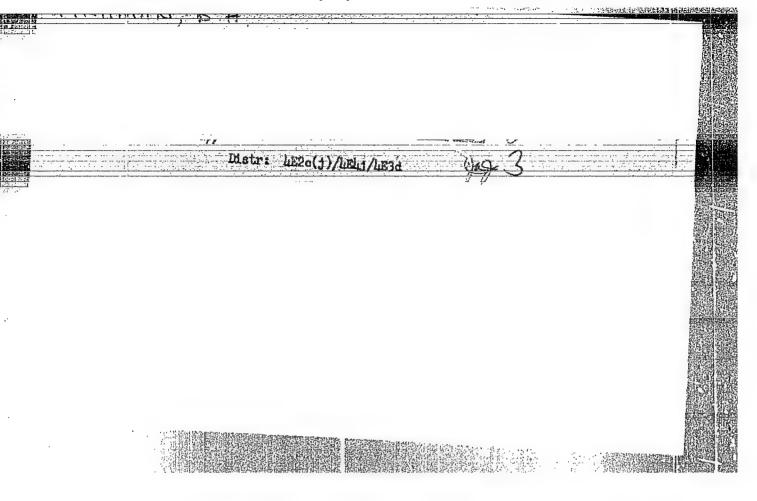


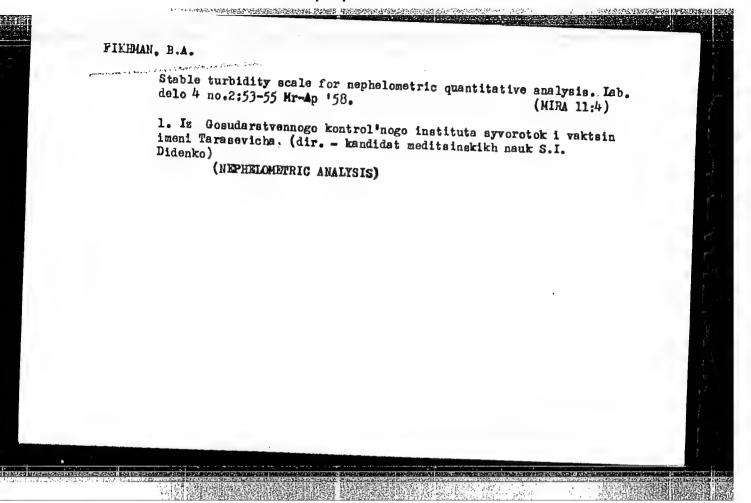
FIRHMAN, B.A.

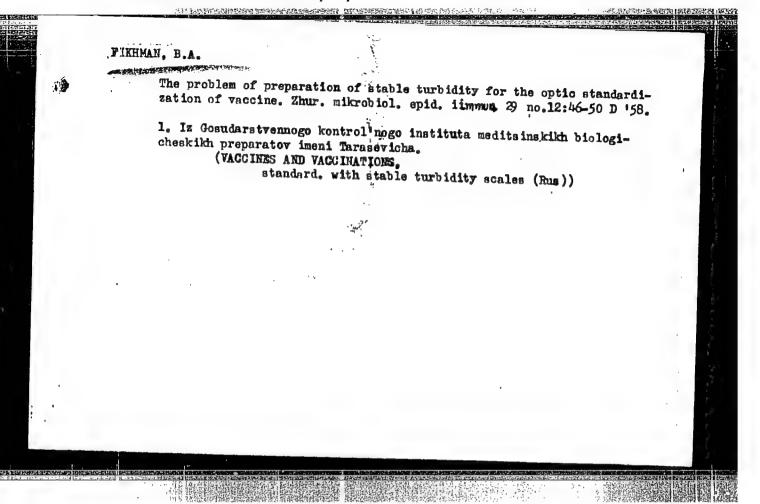
Living culture media in bacteriological investigation of pathological material for tuberculosis bacilli. Prob.tuberk., Moskva No.1:42-44 Jan-Feb 51. (CIML 20:6)

1. Of the Department of Microbiology of Chernovitsy Medical Institute (Head of Repartment -- Prof.G.P.Kalin).

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	FIKHMAN,	В. А.				_	bgt	a l		
		229149	have little foundation, and that he offers no evidence which would aid in verification of his statements. They state that the crists are that microbes which may be ascribed to Bosh'yan are that microbes turn into crystals, that the crystals are extremely turn into crystals, that the crystals are extremely turn into bacterial forms. They note that ate inversely into bacterial forms. They note that ate inversely into bacterial forms. They note that formation of crystals seems to be a property of the nutrient medium rather than of bacteria. All other nutrient medium rather than of bacteria. All other theories claimed by Bosh'yan have been either known before or have been subjected to lively discussion for a number of yrs, the authors state.	229149	Authors review G.M. Bosh'yan's book "Nature of Viruses and Microbes," published in 1950, and rive an account of some exptl work they did on pathonan account of some exptl work they did on pathonant charterie. Kalina and Filthman think that general terms, that his theories G.M. Bosh'yan speaks in general terms, that his theories	"Mikrobiologiya" Vol 21, No 5, pp 528-539	"Crystal Formation in Bacterial Cultures," G. P. Kalina, B. A. Fikhman, Chernovtay Med Inst	USSR/Medicine - Crystal Phase of Sep/Oct 52		
n koloning U Helebansunga		ALT CHOOSE			STREET, TOUR	249.VE2	**************************************		10-E / - 415-PR-241-10	COLUMN DESTRU







PIKHMAN, B.A.

Method of preparing a stable glass turbidity standard for the evaluation of the thymol test. Iab.delo 5 no.4:15-17 Jl-Ag '59.

1. Iz Gosudarstvennogo kontrol'nogo instituta meditsinskikh biologicheskikh preparatov imeni Tarasevicha (dir. L.S. Ogloblina). (TURBIDITY) (THYMOL)

(IABORATORIES--APPARATUS AND SUPPLIES)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413020003-8"



Microrefractiometric method of direct determination of live and dead bacterial cells. Zhur.mikrobiol.epid.i immun. 30 no.8:100-104 Ag '59.

(MIRA 12:11)

1. Iz Gosudarstvennogo kontrolinogo instituta meditsinskikh i biologicheskikh preparatov imeni Tarasevicha.

(BACTERIA)

Company of the Compan

17(2) AUTHOR: Fikhman, B. A. SOV/20-124-5-51/62 TITLE: The Principle of Immersion Microrefractometry for Directly Determining Living and Dead Bacterial Cells (Printsip immersionnoy mikrorefraktometrii dlya pryamogo opredeleniya zhivykh i mertvykh kletok bakteriy) PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 5, pp 1141-1143 ABSTRACT: The determination of the number of living and dead cells and their numerical interrelations in microbial populations or suspensions is of great importance for various fields of practical and experimental microbiology. In spite of a great number of suggested methods there has hitherto been no sufficiently precise, objective and simple method of a direct, differentiated determination of the number of living and dead bacterial cells. The reason is that without additional actions the death of these cells cannot be directly observed. For this reason the phenomenon of irreversible change of the optical properties due to the death of the cells is remarkable (increasing optical density and refraction index). Only the Card 1/3 introduction of the method of phase contrast into microscopy

The Principle of Immersion Microrefractometry for SOV/20-124-5-51/62 Directly Determining Living and Dead Bacterial Cells

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made it possible to evaluate and explain the phenomenon mentioned. Special immersion media proved to be very useful (Refs 1-3,5). The use of albumin solutions in precisely determined concentrations (Ref 1) made it possible to elaborate the microrefractometric method of determining the concentration of the dry substance and water in living cells. It was found in the course of special experiments that maximum optical differentiation between living and dead cells is obtained by using immersion media having the same or a somewhat higher index of optical refraction than the protoplasm of living cells. Gelatine gels proved to be the most appropriate. The selection of gel concentration depends on the kind of microorganism. For this purpose anoptral microscopy has to be applied. On a light-blue background of the preparation the following cells are visible: a)dazzling cells (dead) and b) "empty" cells surrounded by a thin shining seam (living) (Fig 1). The intermediate forms which sometimes can be observed probably represent different degrees of cell degeneration. At the end, the author tries to explain

Card 2/3

The Principle of Immersion Microrefractometry for Directly Determining Living and Dead Bacterial Cells

507/20-124-5-51/62

the phenomenon described. There are 1 figure and 5 referen-

ces, 2 of which are Soviet.

全部企業的**有利的企業的企業的企業的企業的企業的企業的企業的企業的企業**

ASSOCIATION: Gosudarstvennyy kontrol'nyy institut meditsinskikh biologi-

cheskikh preparatov im. L. A. Tarasevicha (State Checking

Institute for Medicinal Biological Preparations imeni

L. A. Tarasevich)

PRESENTED:

October 16, 1958, by V. N. Shaposhnikov, Academician

SUBMITTED:

October 6, 1958

Card 3 /3

FIKHMAN, B. A. Cand Med Sci -- (diss) "Optical standardization of bacterial preparations." Mos, 1959. 14 pp (Acad Med Sci USSR. Inst of Epidemiology and Microbiology im Gamaleys) List of author's works at end of text (10 titles) (KL, 52-59, 127)

-151-

FIKHMAN, B.A.; GRIGOR'YEVA, V.M.

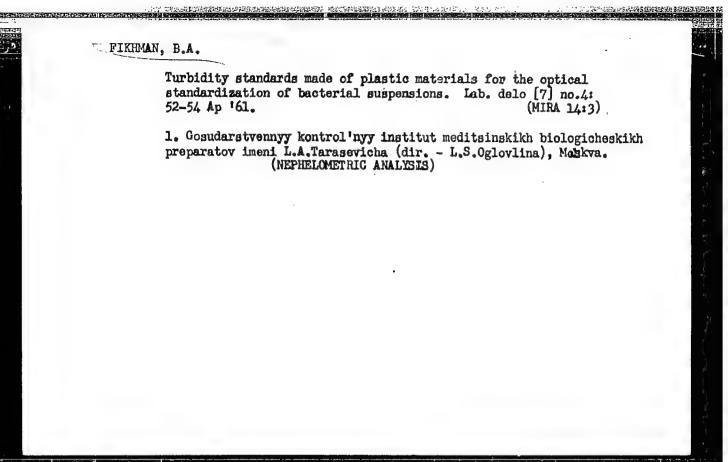
Numerical turbidity equivalent for the test organism spore suspensions used for the determination of the activity of antibiotics. Antibiotiki 5 no.4:105-107 J1-Ag '60. (MIRA 13:9)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov imeni L.A. Tarasevicha.
(ANTIBIOTICS) (BACTERIA, SPOREFORMING)



Changes in the optical density of bacterial suspensions following prolonged preservation. Zhur. mikrobiol. epid i immun. 31 no.6: 111-112 Je '60. (MIRA 13:8)

1. Iz Gosudarstvennogo kontrol'nogo instituta meditsinskikh biologicheskikh preparatov imeni Tarasevicha. (RACTERIA)



FIKHMAN, B.A.

Units of turbidity for optic standardization of bacterial preparations. Lab. delo 7 no.6:52-54 Je '61. (MIRA 14:7)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov imeni L.A. Tarasevicha (dir. L.S. Ogloblina).

(TURBIDITY) (BACTERIOLOGY—EQUIPMENT)

FIKHMAN, B.A.

Test vessels for photoelectric colorimeters-nephelometers. Lab. delo 7 no.7:61-62 Jl '61. (MIRA 14:6)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov imeni L.A. Tarasevicha (dir. L.S. Ogloblina).
(COLORIMETERS)

FIKHMAN, B.A.; PRYADKINA, M.D.

Use of the immersion microrefrantematric method in the direct determination of the ratio of dead and live cells in live plague vaccines. Zhur.mikrobiol.epid.i immun. 32 no.3:60-64 Mr '61.
(MIRA 14:6)

l. Iz Gosudarstvennogo kontrol'nogo instituta meditsinskikh biologicheskikh preparatov imeni Tarasevicha. (PLAGUE)

Hew medium for the microscopic counting of bacteria in a chamber. Lab. delo 8 no.2:55-56 F '62. (Mid 15:2) 1. Gosudarstvennyy both D'nyy institut meditsinskikh biologicheskikh preparatov imeni L.A.Tarasevicha, Moskva. (BACTERIOLOGY_TECHNIQUE)

FIKHMAN, B.A.; SHIRYAYEVA, V.L.

Siliconization of metallic cylinders used for determining the activity of antibiotics. Med. prom. 15 no.6:50-52 Je '61. (MIRA 15:3)

l. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov, imeni Tarasevicha.

(ANTIBIOTICS)

· 可以研究性的原理的研究。

FIKHMAN, B.A.

Photoelectric device for the optic standardization of bacterial preparations. Med. prom. 16 no.3:35-38 Mr '62. (MIRA 15:5)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov imeni L.A. Tarasevicha.

(BACTERIOLOGY—EQUIPMENT AND SUPPLIES)

FIKHMAN, B. A.

Optical effect of physical and chemical actions on bacterial suspensions. Zhur. mikrobiol., epid. i immun. 32 no.8:116-122 Ag '61. (MIRA 15:7)

1. Is Gosudarstvennogo kontrol'nogo instituta meditsinskikh biologicheskikh preparatov imeni Tarasevicha.

(BACTERIOLOGY)

FIKHMAN, B.A.; SHIRYAYEVA, V.L.

Numerical equivalent of turbidity for suspensions of cells of yeast test cultures used for determining the activity of antibiotics.

Antibiotiki 7 no.8:742-744 Ag '62. (MIRA 15:9)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov imeni L.A.Tarasevicha.

(ANTIBIOTICS) (YEAST)

10119-63

ACCESSION NR: AP3001478

s/0217/63/008/003/0380/0384

ALTHOR: Fikhman, B. A.

45

TITLE: Light diffusion of bacterial suspensions in the visible spectrum area

SCURCE: Biofizika, v. 8, no. 3, 1963, 380-384

TOPIC TAGS: Light diffusion, bacterial suspensions, turbidity, FEK-N colorimeter-nephelometer, staph aureus, staph albus

ABSTRACT: Optical methods of determining dispersity of bacterial suspensions by light diffusion make it possible to study processes taking place in the system without interfering with its movement, and this is important for microbiological research. Suspensions of rod-shaped and spherical bacteria of different dispersity were used in 0.15 M solution of NaCl in distilled water. Suspensions were prepared from washed cells of day old cultures of B. coli, S. typhi, B. dys. Fl., B. pertussis, Staph. aureus, Staph. albus, and Sarcina lutea. Suspensions used had concentrations from 1 to 2 mlrd of microbe bodies in 1 ml. Light diffusion was conducted by the light transmission method because the bacterial

Card 1/2

1 10119-63 ACCESSION NR: AP3001478

suspensions had relatively high turbidity values of the order 10 sup -2 cm sup -1. Optical densities of the suspensions at different wave lengths were determined by a photoelectric FEK-N colorimeter-nephelometer. Experimental data established that light diffusion (turbidity) of bacterial suspensions conforms to the empirical equation D sub lambda equals k lambda sup -n (D represents optical density and the power of n is functionally connected with the mean size of the cells). Application of this function makes it possible to study mean cell size and concentration, which are the basic characteristics of the dispersion phase of bacterial suspensions, by optical methods. Orig. art. has: 2 tables, 2 figures, 1 equation.

ASSOCIATION: Gosudarstvennyy kontrol ny institut meditsinskikh biologicheskikh preparatov im. L. A. Tarasevicha, Moscow (State Control Institute of Biological Preparations)

SUBMITTED: 22Dec61

DATE ACQ: 12Jun63

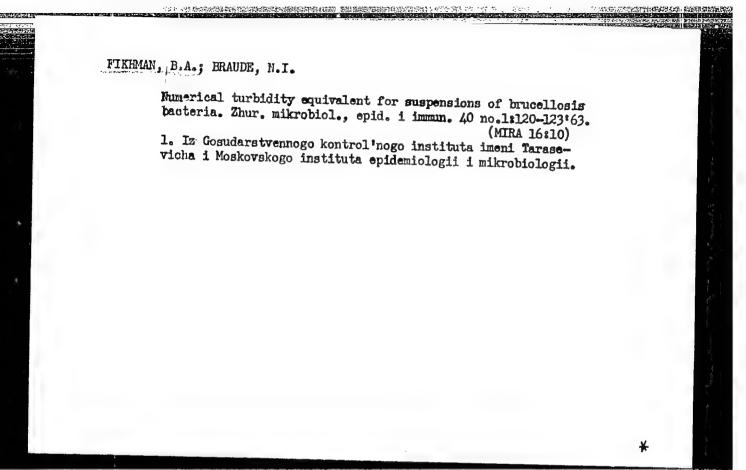
ENCL: 00

SUB CODE: 00

NR REF SOV: 007

OTHER: 004

2018/8/2



FIKHMAN, B.A.

Photometric analysis of bacterial suspensions. Report No.1. Zh. mikrobiol. 40 no.7:102-106 Jl.*63 (MIRA 17:1)

1. Iz Gosudarstvennogo kontrol'nogo instituta meditsinskikh biologicheskikh preparatov imeni Tarasevicha.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413020003-8"

FIKHMAN, B.A.

Immersion microrefractometry of tacterial cells. Zhur. mikrobiol., epid. i immun. 40 no.11:60-65 N 63. (MIRA 17:12)

1. Iz Gosudarstvennogo kontrol*nogo instituta meditsinskikh biologicheskikh preparatov imeni Tarasevicha.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413020003-8"

PAGRINA, N.A.; FIKHMAN, B.A.

Methodology of the quantitative determination of protoplasts in the culture of Staphylococcus aureus. Lab. delo no. 8: 491-494 '64. (MIFA 17:12)

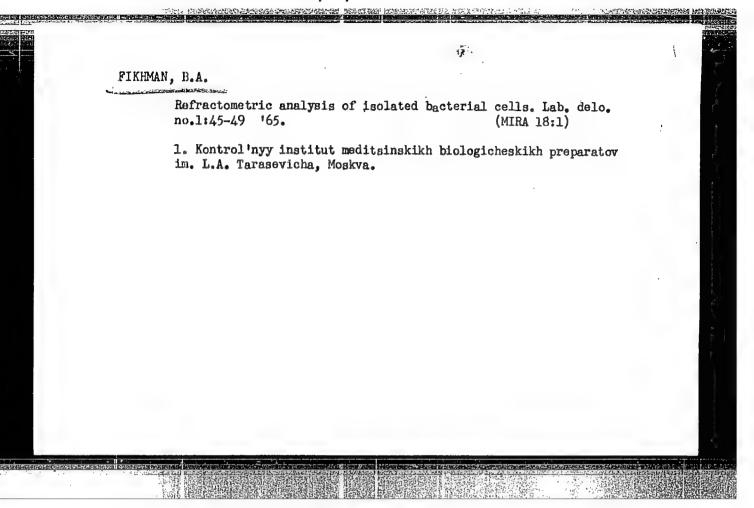
1. Gosudarstvennyy kontrolinyy institut meditsinskikh biologicheskikh preparatov im. Tarasevicha (direktor L.S.Ogloblina), Moskva.

FIKHMAN, B.A.

Photometric analysis of bacterial suspensions. Report No. 2: Determination of the dispersity of bacterial suspensions by transillumination. Zhur. mikrobiol., epid. i immun. 41 no.3:41-46 Mr '64.

(NINA 17:11)

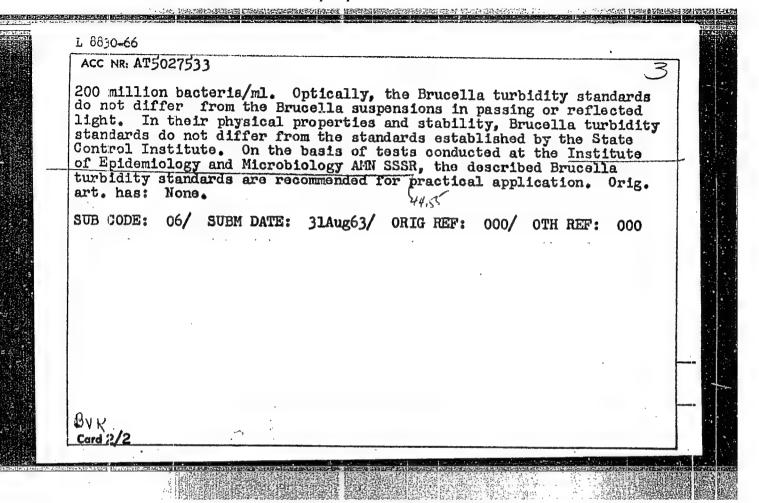
1. Gosudarstvennyy institut meditsinskikh biologicheskikh preparatov imeni Tarasevicha.

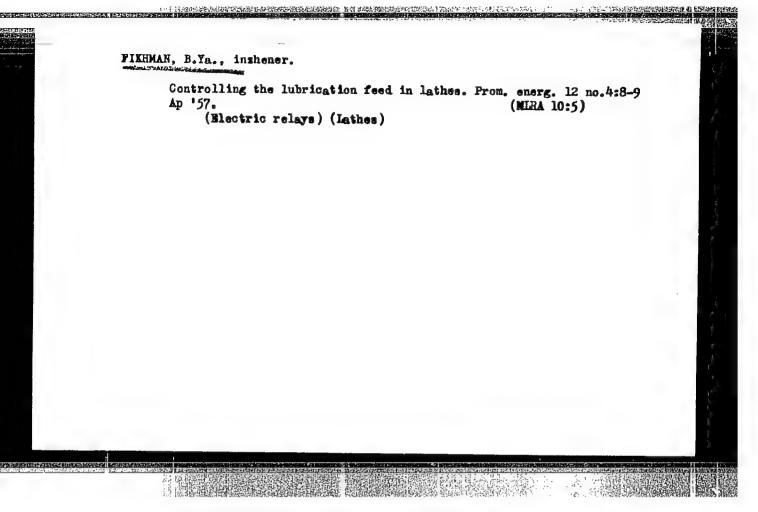


Photometric analysis of bacterial suspensions, Report Sc.3:
Study of some thermo-competic processes in bacteria, Zhur,
mikrobiol., epid. i immus. 42 nc.83128-131 Ag '65. (MRA 18:9)

1. Gosudarstvennyy kontrol'myy institut inemi Tarasevicha.

L 81130-66 EMT(1)/EMA(3)/EMA(b)-2ACC NR. AT5027533 UR/0000/63/000/000/0228/022945 SOURCE CODE: AUTHOR: Fikhman, B. A ORG: State Control Institute im. Tarasevich (Gosudarstvennyy kontrol!nyy institut; TITLE: Turbidity standard for optical standardization of brucella SOURCE: Moscow. Nauchno-issledovatel'skiy institut vaktsin i syvorotok. Vaktsiny i syvorotki; materialy po proizvodstvu, no. 1, 1963, 228-229 TOPIC TAGS: brucellosis, turbidimeter, optic method, vaccine, preventive medicine, CHEMICAL DISPERSION ABSTRACT: The difficulties involved in applying general turbidity standards established primarily for intestinal groups of bacteria to Brucella suspensions or vaccines prompted the author to develop a turbidity standard specifically for Brucella. Light passage studies of different Brucella fractions in the visible band of the spectrum showed that light passage of fractions containing 1 to 2 micron particles is the same for Brucella suspensions and vaccines and their curves are parellel. The numerical equivalent of a turbidity standard unit for Brucella vaccine strains (19-BA, 19, 104-M) is approximately Card 1/2





AUTHOR: Fikhman, B. Ya, Engineer SUV/94-58-8-6/22

TITLE: Economy of Electric Power in Electric Drives of Hydraulic

Presses (Ekonomiya elektroenergii v elektroprivodakh

gidravlicheskikh pressov)

PERIODICAL: Promyshlennaya Energetika, 1958, Nr 8, pp 15-19 (USSR)

ABSTRACT: This article considers control systems for electrohydraulic drives of presses with the object of economising
electric power. The commonest control circuit is that
shown in Fig.lA which employs a pressure relief valve
that is in operation for a considerable part of the time
that the press is closed. This naturally wastes power.
The power consumption diagram for this case is that shown
in Fig.2A. Expressions are given for the time of an
operating cycle and for the power consumed. Analysis of
the power consumption diagram leads to the conclusions
that: power consumption could be reduced by using electrohydraulic pressure control; the motor idling time could
be reduced by operating the press automatically. These
two questions are then considered in more detail. The
hydraulic circuit for the case of pressure control is
given in Fig.lB and the corresponding electrical control

SUY/94-58-8-6/22

Economy of Electric Power in Electric Drives of Hydraulic Presses

circuit in Fig. 3. This hydraulic circuit differs from the previous one in that it includes a pressure relay which switches the motor off when the press is closed. If the pressure in the press drops because of leaks in the hydraulic system, the motor starts up again. However, in presses operating at pressures of the order of 200 kg/cm2 it is quite practical to reduce leakage to such an extent that the pressure can be held for up to half an hour so that the motor is only operating whilst the platens are moving. The functions of all the relays and contacts in the circuit are described. This circuit has a number of faults; it is difficult to adjust the pressure relay which does not in any case always operate at the same pressure; the pressure relay contacts operate under unfavourable conditions and the relay is inaccessible for maintenance. A better circuit is one employing electro-contact manometers types EKM-1 and EKM-2 manufactured by the Moscow 'Manometer' Works which cover the same pressure ranges as ordinary manometers. The hydraulic circuit used when the pressure is controlled by means of one of

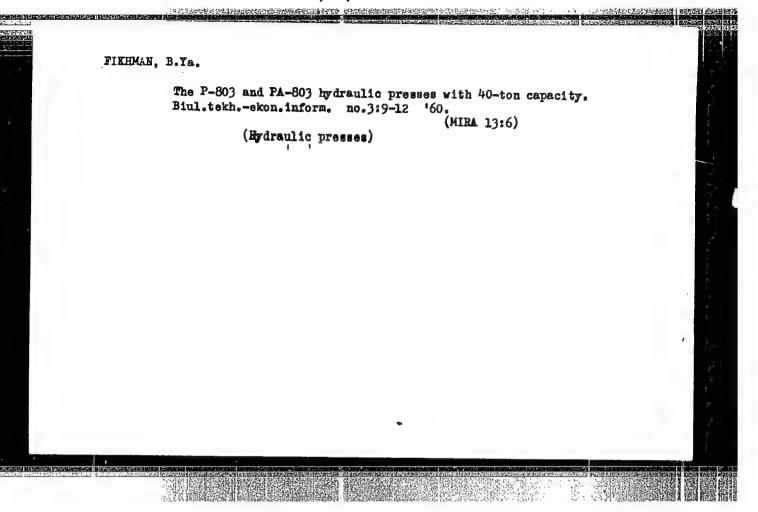
Card 2/3 these relays in given in Fig.1C and the corresponding

SOV/94-58-6-6/22 Sconomy of Electric Power in Electric Drives of Hydraulic Presses

manometer fulfils two functions: that of visual control instrument and that of a two position control regulator. This device stops the motor when the pressure reaches the top setting and restarts it when the bottom setting is reached. The operation of the circuit is described in detail. Other possible circuits exist including the use of a high- and a low-pressure pump combined with a pressure relay to disconnect the high-speed low-pressure pump when a certain pressure is reached. The circuits described in the article are particularly suitable when the pressing time is two minutes or more and have operated reliably with motor outputs up to 20 kW. The electro-hydraulic pressure control method is used in hydraulic presses manufactured by the Odessa Press Works and is recommended when existing installations are being modernised. There are 4 figures and 2 Soviet references.

ASSOCIATION: Odesskiy zavod pressov (Odessa Press Works)

Card 3/3



S/193/60/000/012/003/018 A004/A001

AUTHORS:

Fikhman, B. Ya., Tobak, L. Z.

TITLE:

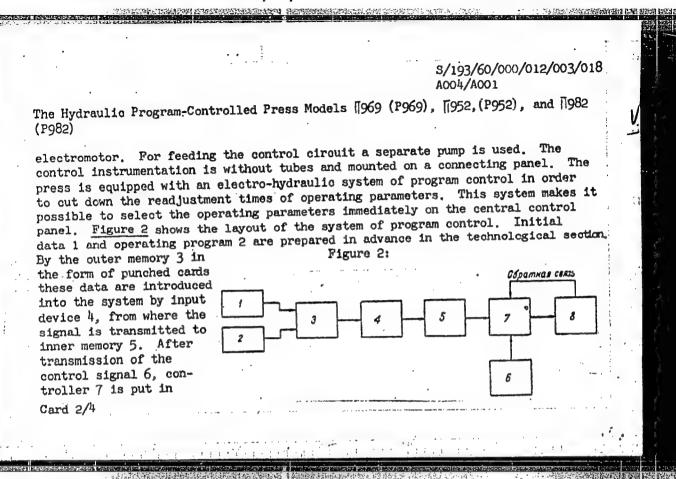
The Hydraulic Program-Controlled Press : Models [969 (P969), [952]

(P952), and [982 (P982)

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No.12, pp.12-15

TEXT: The Odesskiy zavod pressov (Odessa Press Plant) has developed and manufactured in 1959 the program-controlled hydraulic P969 and P952 presses for the mechanization of assembly work in the production of armature and commutators of traction electromotors, and the P982 press for the stamping of bearing end shields in the casings of traction electromotors. The models P952 and P982 are made on the basis of the model P969, which is a four-column low-pressure press, on which the part being pressed is fixed on a traveling table whose upper and lower surface are machined. Fixtures can be clamped on two T-shaped grooves on top of the table diagonal. The hydraulic drive of the press is composed of the pumping installation and tank, on whose cover the control and distributing appliances for the press control are located. The #401 (N401) and #470 (Sh-70) high-pressure and low-pressure pumps are mounted on one plate, both of them driven by one a-c

Card 1/4



S/193/60/000/012/003/018 A004/A001

The Hydraulic Program-Controlled Press Models [969 (P969), 1952 (P952), and <math>[982 (P982)]

operation, actuating mechanisms 8, from which the operation termination signal and the attainment of the given parameters is supplied to controller 7 by way of the feedback line. The control units are mounted on low-voltage devices, therefore a unit of actuating devices has been fitted to switch on the control electromagnets by hydraulic slide valves. The actuating devices receive the instructions from the control system units and, by their contacts, transmit the voltage to the coil of the corresponding electromagnets. The hydraulic and electric circuits of the press ensure the following operations: setting, program input, operation according to given program, return, repetition of cycle. The authors present the following technical data of the P969 press: Rated capacity - 315 tons; number of capacities being programmed - 5; press stroke - 500 mm; open height - 2,000 mm; table area - 1,200 x 1,200 mm; speed of operating and idle strokes - 1.88 and 7.15 mm/sec respectively; number of loading tables - 2; stroke of loading table - 1,600 mm; speed of loading table - 150 mm/sec; operating pressure - 200 kg/cm²; number of time lags being programmed - 2; rated power of electromotor - 11 kw; overall dimensions (length x width x height) - 6,150 x 3,700 x 3,000 mm;

Card 3/4

S/193/60/000/012/003/018 A004/A001

The Hydraulic Program-Controlled Press Models [969 (P969), [952 (P952), and [982 (P982)

weight - 23.9 tons. The use of these program-controlled presses increases the labor productivity five times, while the introduction of one press results in savings of 108,000 rubles per year. There are 2 figures.

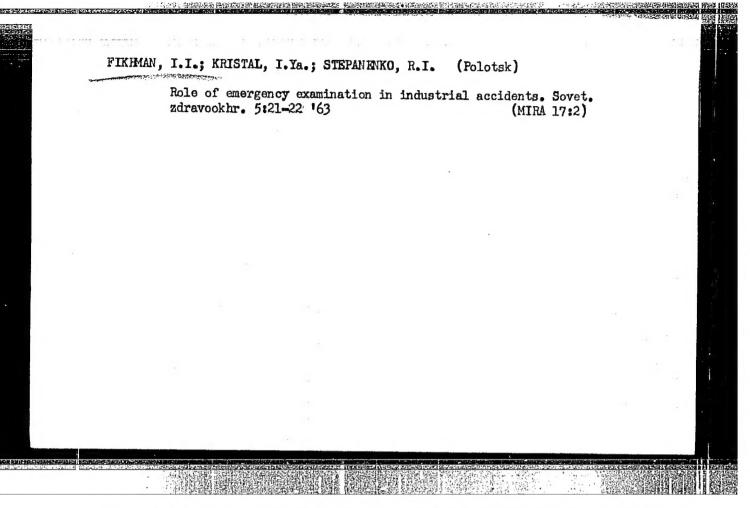
Card 4/4

FIKHMAN, Boris Yakovlevich; KUVALDIN, A.B., red.

[Ignitron contactors and heating regulators] Ignitronnye kontaktory i reguliatory nagreva. Moskva, Energiia, 1964. 79 p. (Biblioteka elektrotermista, no.19)

(MIRA 18:4)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413020003-8"



Tuberculosis of the thyroid gland. Prob. tab. ac. 1 26.67 165.

1. Knirurgichoskoye otdoloniye Polotskoy garolekov tolinitay
(glavnyy vrach A.M. Lebedeva).

S/183/61/000/006/001/002 B101/B110

AUTHORS:

Zelentsov, I. G., Zubov, L. N., Fikhman, V. D.

TITLE:

Properties of polyvinyl chloride fibers

PERIODICAL: Khimicheskiye volokna, no. 6, 1961, 9-10

TEXT: A detailed report on the properties of polyvinyl chloride fibers manufactured in western countries is given on the basis of western publication data. In the USSR, a pilot plant will produce such fibers in the near future. There are 1 figure, 2 tables, and 12 non-Soviet references.

ASSOCIATION: VNIISV

Card 1/1